



National Research University Higher School of Economics (HSE)

Curriculum

Field of study 10.03.01 Information Security

Educational Programme "Information Security"

Implementing unit: Tikhonov Moscow Institute of Electronics and Mathematics, HSE - Moscow

1 st, 2023/2024 academic year

APPROVED

30.05.2023

Vice Rector

ROSHCHIN S.Y.

Signed with EDS

Length of Programme: 4 years

Years of Study: 2023/2024 - 2026/2027

Mode of Study: Full Time

Degree: Bachelor's degree

Block Code	Course	Subject type	Department	Credits	Total Academic Hours	Contact Hours	Allocation of Contact Hours				Additional Information
							1	2	3	4	
<b>Degree Programme</b>				<b>60,00</b>	<b>2 480</b>	<b>1 152</b>	<b>232</b>	<b>294</b>	<b>262</b>	<b>264</b>	
<b>Data Culture</b>						<b>2</b>				<b>2</b>	
1	Independent Digital Literacy Test	C	отдел развития цифровых компетенций			2				2A	Online Course
<b>Major</b>				<b>53,00</b>	<b>2 014</b>	<b>860</b>	<b>144</b>	<b>220</b>	<b>226</b>	<b>226</b>	
<b>Core Professional Block (Major)</b>				<b>47,00</b>	<b>1 786</b>	<b>758</b>	<b>144</b>	<b>196</b>	<b>182</b>	<b>182</b>	
1	Algebra and Geometry	C	кафедра информационной безопасности киберфизических систем	6,00	228	112	56	56A			
2	Algorithmization and Programming	C	кафедра информационной безопасности киберфизических систем	10,00	380	160	32	40A	48	40A	
3	Discrete Mathematics	C	Department of Applied Mathematics	4,00	152	48			24	24A	
4	Computer Science	C	School of Computer Engineering	4,00	152	56	28	28A			
5	Calculus	C	Department of Applied Mathematics	12,00	456	188	28	40A	60	60A	
6	The Foundations of Cryptography and Steganography	C	кафедра информационной безопасности киберфизических систем	4,00	152	58			26	32A	
7	Physics	C	School of Electronic Engineering	7,00	266	136		36	52A	48A	
<b>Elective Professional Block (Major)</b>				<b>6,00</b>	<b>228</b>	<b>102</b>		<b>24</b>	<b>44</b>	<b>44</b>	
<b>Дисциплины по выбору ОП</b>				<b>6,00</b>	<b>228</b>	<b>102</b>		<b>24</b>	<b>44</b>	<b>44</b>	
1	Administration of systems and networks	C	кафедра информационной безопасности киберфизических систем	6,00	228	102			52	50A	

English											
Optional Courses											
1	English	O		8,00	304	128	20	28A	40	40A	Foreign language, Credits only to the cumulative rating
Examinations											
1	English Language Integrative Exam		School of Foreign Languages			2				2A	Foreign language
General Courses				<b>7,00</b>	<b>466</b>	<b>288</b>	<b>88</b>	<b>74</b>	<b>36</b>	<b>36</b>	
Optional General Courses				<b>6,00</b>	<b>228</b>	<b>126</b>	<b>34</b>	<b>38</b>			
1	Russian History	C	School of History	4,00	152	72	34	38A			Online Course
2	Foundations of Russian Statehood	C	School of History	2,00	76	54		54A			
Core General Courses				<b>1,00</b>	<b>238</b>	<b>162</b>	<b>54</b>	<b>36</b>	<b>36</b>	<b>36</b>	
1	Safe Living Basics	C	центр поддержки студенческих инициатив	1,00	38	18	18A				Online Course
2	Physical Training	C	Department of Physical Training		200	144	36	36	36	36A	
Internship											
Professional Internship											
1	Course work on the discipline "Algorithmization and programming"	C				2				2A	

**Curriculum agreed:**

Academic Supervisor	IVANOV F.I.	23.05.2023
Dean	KROUK E.A.	25.05.2023
Head of Centre for Educational Model Design	LEPESHKIN I.A.	30.05.2023

\* Subject type:

Compulsory course  
 Elective course  
 Optional course

C  
 E  
 O